



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

(Attachment #1)

OFFICE OF
PREVENTION, PESTICIDES, AND
TOXIC SUBSTANCES

May 12, 1999

MEMORANDUM

SUBJECT: Azinphos-methyl. Revised Monte Carlo Assessment (Case No. 0235; Chemical No. 058001). DPBarcode D255395. No MRID No.

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On February 17, 1999, HED completed a review of a Monte-Carlo submission from Bayer Corporation for the pesticide chemical, azinphos-methyl. Additionally, HED revised the Monte Carlo submission using a pilot acute dietary protocol entitled "Protocol for Running Monte Carlo Assessments Using PDP and FDA Monitoring Data", 2/2/99 update. This protocol currently in draft form, incorporated use of monitoring data in acute dietary risk assessments.

In the current acute dietary assessment, several changes were made to the residue inputs used in the previous analysis. Specific new data used are described in Table 5 of this document.

Revisions

1. Updated BEAD percent crop treated data were incorporated. A comparison of the data used in the previous assessment and in the current assessment are shown in Table 2 below.

2. For canned and boiled apples, peaches, pears and plums, an average of the PDP monitoring data incorporating % crop treated and ½ the limit of detection (LOD) for non-detects was used. In the previous assessment, a distribution of residues were used where data were adjusted to reflect single servings using ½ the LOD and % crop treated (decomposition method).

3. For commodities which are considered partially blended such as small berries, PDP monitoring data was used directly incorporating % crop treated. In the earlier assessment, no adjustment for % crop treated was included.
4. Single serving PDP monitoring data (for pears) were used directly, including $\frac{1}{2}$ the LOD and % crop treated. These data were translated to apples, quinces and crabapples with their corresponding % crop treated incorporated. In the previous assessment, a distribution of single-serving residues derived from composite samples were used where data were adjusted to reflect single servings (decomposition method).
5. FDA monitoring data were incorporated for tart and sweet cherries. In the previous assessment field trial residue data were used.
6. Pistachio nuts, cottonseed meal and cottonseed oil were included in the assessment. These commodities were previously excluded.
7. A saucing processing/reduction factor provided by the registrant was included for boiled apple (applesauce). EPA used these data in their revised analysis; however, raw data allowing the Agency to verify these values must be submitted.
8. Adjustments were made to account for the differences in % crop treated for sweet and tart cherries and processed and unprocessed tomatoes.

Conclusions

The results of the revised HED Monte Carlo analysis incorporating all changes noted above are shown in Table 1. These results show a significant reduction in the % aRfD for the all infant and children subpopulations. However, the results (Table 1) indicate that at the 99.9th percentile, acute exposure to azinphos-methyl remain above 100% aRfD for nursing infants and children (1-6). A copy of the revised analysis is attached.

Table 1. Monte Carlo Analysis Results at the 99.9th Percentile

Population subgroup	HED Analysis Previous assessment (2/17/99)			HED Analysis- Current Assessment (5/12/99)		
	Exposure (mg/kg bwt-day)	MOE1	%RfD	Exposure (mg/kg bwt-day)	MOE1	%RfD
U.S. Population	0.005519	394	85%	0.001781	561	59%
All infants (<1 year)	0.009934	100	331%	0.003003	332	100%
Nursing infant (<1 year)	0.010733	265	126%	0.003632	275	121%
Non-nursing infants	0.009965	81	407%	0.002234	447	74%
Children (1-6 years)	0.010343	165	202%	0.003913	255	130%
Children (7-12 years)	0.006556	258	129%	0.002704	369	90%

1. HED has no concern for MOE's above 300 or %RfD < 100.
 2. The aRfD used was 0.003 mg/kg/day

Table 2. Comparison of BEAD Percent Crop treated Data

Commodity	September 1998	May, 1999
Alfalfa	4	<0.5
Almond	39	39
Apple	65	88
Blackberries	15	14
Blueberries	86	51
Boysenberries	16	14
Broccoli	5	<0.5
Brussels sprouts	4	2
Cabbage	8	13
Cantaloupe	4	5
Cauliflower	3	2
Celery	12	13
Cherry	62	58% (sweet)/ 80% (tart)
Citrus fruits	3	3
Crabapples	0*	<0.5
Cranberries	100	69
Cucumber	5	3
Dewberries	16	14
Filbert	39	39
Grapefruit	8	17
Grapes	1	2
Honeydew melons	20	2
Kumquats	3*	3*
Lemons	1	<0.5
Lime	3	3

Table 2. Comparison of BEAD Percent Crop treated Data

Commodity	September 1998	May, 1999
Melon	5	2
Nectarine	12	6
Onions (dry/green)	6	2
Oranges	5	3
Peach	38	30
Pear	100	91
Pecan	7	3
Plum/prune	23	12
Potato	20	3
Quince	75*	75*
Raspberries	9	14
Strawberry	12	12
Tangerine	3	3
Tomato	4	10% (unprocessed)/11% (processed)
Walnuts	38	30
Watermelon	0	2

* Percent crop treated data provided by the registrant.

Table 3 - Crop by Crop Description of Specific Data Used in Revised Analysis.

Crop	Residue Data Used	%Crop Treated ¹	Comments on data Selected
Alfalfa Sprouts	Tolerance of 2 ppm and 1% CT.	<0.5% ⁵	
Almonds	Point estimate which = mean FT ² data X 39% CT and assumed all almonds are at this level. 0.009 X 0.39 = 0.0035 [Field trials used 2 lb ai/A, 3 applications, PHI of 28 days].	39%	
Apples	Single Serving PDP ³ pear data incorporating 88% CT used for apples except cooked where a point estimate was used =0.037.	88%	RDF #8 ⁸
Apples, Dried	Single Serving PDP ³ pear data incorporating 88% CT and a concentration factor.	88%	
Apple Juice, Concentrate	Full distribution of PDP apple juice data and a concentration factor.	N/A	RDF #9
Apple Juice, Cider	Full distribution of PDP apple juice data.	N/A	RDF #10
Beans, Succulent	Composite PDP green bean data directly incorporating 1% CT.	<0.5% ⁵	Few PDP residues (10) detected in three years of PDP data. Total of 1810 samples. RDF #24
Blackberries	Composite FDA raspberry data directly incorporating 14% CT.	14% ⁶	RDF #1
Blackberry Juice	Point estimate using FDA raspberry data incorporating $\frac{1}{2}$ LOD ⁴ and 14% CT = 0.002. Point estimate multiplied by processing factor.	14% ⁶	
Blueberries	Composite FDA blueberry data directly incorporating 51% CT.	51%	RDF #2
Boysenberries	Composite FDA raspberry data directly incorporating 14% CT.	14% ⁶	RDF#1
Broccoli	Composite PDP spinach data directly and 1% CT.	1%	Few PDP residues (4) detected in three years of PDP data. Total of 1806 samples. RDF #14
Brussels Sprouts	Composite PDP spinach data directly and 2% CT.	2%	Few PDP residues (4) detected in three years of PDP data. Total of 1806 samples. RDF #15
Cabbage, Green and Red	Cabbage FT data and 13% CT.	13%	RDF #16
Cabbage Savoy	Cabbage FT data and 13% CT.	13%	RDF #16
Cantaloupe Nectar	No detectable residue. Used point estimate equal to $\frac{1}{2}$ LOD ⁴ = 0.0015	N/A	Not detected in four years of FDA monitoring (1994-97).
Cantaloupe Pulp	No detectable residue found. $\frac{1}{2}$ LOD used incorporating 5% CT.	5%	Not detected in four years of FDA monitoring (1994-97). RDF #27
Casaba	No detectable residue found. $\frac{1}{2}$ LOD used incorporating 2% CT.	2%	Not detected in four years of FDA monitoring (1994-97). RDF #25
Cauliflower	Composite PDP spinach data directly and 2% CT.	2%	Few PDP residues (4) detected in three years of PDP data. Total of 1806 samples. RDF #17

Crop	Residue Data Used	%Crop Treated ¹	Comments on data Selected
Celery	Composite PDP spinach data directly and 13% CT.	13%	Few PDP residues (4) detected in three years of PDP data. Total of 1806 samples. RDF #13
Celery Juice	Point estimate using PDP spinach data incorporating $\frac{1}{2}$ LOD and 13% CT = 0.0030. Point estimate multiplied by processing factor.	13%	
Celery Seed	Point estimate using PDP spinach data incorporating $\frac{1}{2}$ LOD and 13% CT = 0.0030. Point estimate multiplied by processing factor.	13%	
Cherries	Composite FDA cherries data directly incorporating 58% CT for sweet cherries and 80% CT for tart cherries.	58/80% ⁷	RDF #33 and #34
Cherries, Dried	Composite FDA cherries data directly incorporating 58% CT for sweet cherries and 80% CT for tart cherries and an concentration factor.	58/80% ⁷	RDF #33 and #34
Cherry Juice	Point estimate of FDA cherry data incorporating $\frac{1}{2}$ LOD and 58% CT = 0.002. Point estimate multiplied by processing factor.	58%	
Citrus Citron	Composite PDP orange data directly and 3% CT.	3%	Few PDP residues (3) detected in three years of PDP data. Total samples = 1209. RDF #7
Cottonseed	Tolerance of 0.5 ppm and 11% CT.	11%	
Crabapples	Single Serving PDP Pear incorporating 1% CT.	<0.5% ⁵	RDF #21
Cranberries	Point estimate of cranberries mean FT data multiplied by 69% CT. 0.03 X 0.69 = 0.021. [Field trials used 1.0 lb ai/A, 3 applications, PHI of 21 days].	69%	
Cranberry Juice	Point estimate of mean FT data multiplied by 69% CT. 0.03 X 0.69 = 0.021. Point estimate multiplied by processing factor. [Field trials used 1.0 lb ai/A, 3 applications, PHI of 21 days].	69%	
Cranberries Juice Concentrate	Point estimate of mean FT data multiplied by 69% CT. 0.03 X 0.69 = 0.021. Point estimate multiplied by processing factor. [Field trials used 1.0 lb ai/A, 3 applications, PHI of 21 days].	69%	
Crenshaw	No detectable residue found. $\frac{1}{2}$ LOD used incorporating 2% CT.	2%	Not detected in four years of FDA monitoring (1994-97). RDF #25
Cucumbers	No detectable residue found. $\frac{1}{2}$ LOD used incorporating 3% CT.	3%	Not detected in four years of FDA monitoring (1994-97). RDF #26
Dewberries	Composite FDA raspberry data directly and incorporating 14% CT.	14% ⁶	RDF # 1
Filberts	Point estimate of mean of pecan FT data X 39% CT = 0.0156 [Field trials used 2.0 lb ai/A, 3 applications, PHI of 45 days].	39%	

Crop	Residue Data Used	%Crop Treated ¹	Comments on data Selected
Grapes	Composite PDP grape data directly and incorporating 2% CT.	2%	Low PDP residues (<0.05 ppm) detected in two years of PDP data. Total of 1215 samples. RDF #3
Grape Juice	Point estimate of mean of PDP grape data X 2% CT = 0.0006. Point estimate multiplied by a processing factor.	2%	
Grape Juice Concentrate	Point estimate of mean of PDP grape data X 2% CT = 0.0006. Point estimate multiplied by a processing factor.	2%	
Grapes-Raisins	Composite PDP grape data directly and incorporated 2% CT and concentration factor.	2%	Low PDP residue (<0.05 ppm) detected in two years of PDP data. Total of 1215. RDF #3
Grape Leaves	Composite PDP grape data directly and incorporated 2% CT.	2%	Low PDP residues (<0.05 ppm) detected in two years of PDP data. Total of 1215 samples. RDF #3
Grapefruit Juice	Full distribution of PDP orange juice data.	N/A	RDF #20
Grapefruit Juice Concentrate	Full distribution of PDP orange juice data and a processing factor.	N/A	RDF #20
Grapefruit Peel	Composite PDP orange data directly and incorporated 17% CT.	17%	Few PDP residues (3) detected in three years of PDP data. Total samples = 1209. RDF #5
Grapefruit Peeled Fruit	Composite PDP orange data directly and incorporated 17% CT.	17%	Few PDP residues (3) detected in three years of PDP data. Total samples = 1209. RDF #5
Honeydew Melons	No detectable residue found. ½ LOD used incorporating 2% CT.	2%	Not detected in four years of FDA monitoring (1994-97). RDF #32
Kumquats	Composite PDP orange data directly and 3% CT.	3%	Few PDP residues (3) detected in three years of PDP data. Total samples = 1209 . RDF #7
Leeks	Green onion FT data and 2% CT. [Field trials used 0.75 lb ai/A, 3 applications, PHI of 14 days]	2%	RDF #19
Lemon Juice	Full distribution of PDP orange juice data.	N/A	RDF #20
Lemon Juice Concentrate	Full distribution of PDP orange juice data and processing factor.	N/A	RDF #20
Lemon Peel	Composite PDP orange data directly and 1% CT.	<0.5% ⁵	Few PDP residues (3) detected in three years of PDP data. Total samples = 1209. RDF #6
Lemon Peeled Fruit	Composite PDP orange data directly and 1% CT.	<0.5% ⁵	Few PDP residues (3) detected in three years of PDP data. Total samples = 1209. RDF #6
Lime Juice	Full distribution of PDP orange juice data.	N/A	RDF #20
Lime Juice Concentrate	Full distribution of PDP orange juice data and a concentration factor.	N/A	RDF #20

Crop	Residue Data Used	%Crop Treated ¹	Comments on data Selected
Lime Peel	Composite PDP orange data directly and incorporating 3% CT.	3%	Few PDP residues (3) detected in three years of PDP data. Total samples = 1209. RDF #7
Limes Peeled Fruit	Composite PDP orange data directly and incorporating 3% CT.	3%	Few PDP residues (3) detected in three years of PDP data. Total samples = 1209. RDF #7
Loganberries	Composite FDA raspberry data directly and incorporating 14% CT.	14% ⁶	RDF #1
Nectarines	Composite PDP peach data adjusted for single servings incorporating 6% CT.	6%	689 detects from three years of PDP data (1995-1997). Total Sample = 1393. RDF #28
Onions, Green	Green onion FT data and incorporating 2% CT. [Field trials used 0.75 lb ai/A, 3 applications, PHI of 14 days].	2%	RDF #19
Onions, Dehydrated or Dried	Bulb onion FT data and incorporated 2% CT and processing factor. [Field trials used 0.75 lb ai/A, 3 applications, PHI of 21 days].	2%	RDF #18
Onions, Dry Bulb	Bulb onion FT data and incorporated 2% CT.	2%	RDF #18
Orange Juice	Full distribution of PDP orange juice data.	N/A	Used PDP orange juice data as blended although not generally considered to be blended. Rationale: comparable residues in orange and orange juice. RDF #20
Orange Juice Concentrate	Full distribution of PDP orange juice data and a concentration factor.	N/A	Used PDP orange juice data as blended although not generally considered to be blended. Rationale: comparable residues in orange and orange juice. RDF #20
Orange Peel	Composite PDP orange data directly incorporating 3% CT.	3%	Few PDP residues (3) detected in three years of PDP data. Total samples = 1209. RDF #22
Orange Peeled Fruit	Composite PDP orange data directly incorporating 3% CT.	3%	Few PDP residues (3) detected in three years of PDP data. Total samples = 1209. RDF #22
Peaches	Composite PDP peach data adjusted for single servings and incorporated 30% CT except point estimate equal to 0.02 ppm used for canned and boiled food forms.	30%	689 detects from three years of PDP data (1995-1997). Total samples = 1393. RDF #11
Peaches, Dried	Composite PDP peach data adjusted for single servings incorporating 30% CT and processing factor.	30%	689 detects from three years of PDP data (1995-1997). Total samples = 1393. RDF #11
Peaches, Juice	Point estimate using PDP peach data incorporating $\frac{1}{2}$ LOD and 30% CT = 0.0157. Point estimate multiplied by processing factor.	30%	
Pears	Single Serving PDP pear data and incorporating 91% CT except point estimate equal to 0.059 ppm used for canned and boiled food forms.	91%	RDF #10

Crop	Residue Data Used	%Crop Treated ¹	Comments on data Selected
Pears, Dried	Single Serving PDP pear data incorporating 91% CT and processing factor.	91%	RDF #10
Pear Nectar	Full distribution of apple juice PDP data.	N/A	RDF #9
Pecan	Point estimate which = mean FT data X 3% CT= 0.0012 [Field trials used 2.0 lb ai/A, 3 applications, PHI of 45 days].	3%	
Persian Melon	No detectable residue found. ½ LOD used incorporating 2% CT.	2%	Not detected in four years of FDA monitoring (1994-97). RDF #25
Pistachios	Point estimate of mean of pecan FT data X 48% CT = 0.0172 [Field trials used 2.0 lb ai/A, 3 applications, PHI of 45 days].	48%	
Plum	Composite PDP peach data adjusted for single servings and incorporated 12% CT except point estimate equal to 0.02 ppm used for canned food forms.	12%	689 detects from three years of PDP data (1995-1997). Total Samples = 1393. RDF #29
Plum/Prunes, Dried	Composite PDP peach data adjusted for single servings, incorporating 12% CT and processing factor.	12%	689 detects from three years of PDP data (1995-1997). Total Samples = 1393. RDF #29
Plum/Prune Juice	Point estimate using PDP peach data and incorporating 12% CT = 0.0104. Point estimate multiplied by processing factor.	12%	
Potatoes (White), Dry	No detectable residues found. ½ LOD = 0.011 ppm used	N/A	Not detected in two years of PDP monitoring (1995-96).
Potatoes (White) Unspecified	No detectable residue found. ½ LOD used incorporating 10% CT.	10%	Not detected in two years of PDP Monitoring (1995-96). RDF #10
Potatoes (White), Whole	No detectable residue found. ½ LOD used incorporating 10% CT.	10%	Not detected in two years of PDP Monitoring (1995-96). RDF #10
Quince	Single Serving PDP pear data and incorporating 75% CT.	75%	RDF #23
Raspberries	Composite FDA raspberry data directly and incorporating 14% CT.	14%	RDF #1
Shallots	Bulb onion FT data and incorporated 2% CT.	2%	RDF #18
Strawberries	Composite FDA raspberry data directly and incorporating 12% CT.	12%	RDF #4
Strawberry Juice	Point estimate using FDA strawberry data incorporating ½ LOD and 12% CT = 0.0025.	12%	
Tangelos	Composite PDP orange data directly and 3% CT.	3%	Few PDP residues (3) detected in three years of PDP data. Total samples = 1209. RDF #22
Tangerines	Composite PDP orange data directly and 3% CT.	3%	Few PDP residues (3) detected in three years of PDP data. Total samples = 1209. RDF #22

Crop	Residue Data Used	%Crop Treated ¹	Comments on data Selected
Tangerine Juice	Full distribution of PDP orange juice data.	N/A	Used PDP orange juice data as blended although not generally considered to be blended. Rationale: comparable residues in orange and orange juice. RDF #20
Tangerine Juice Concentrate	Full distribution of PDP orange juice data and a concentration factor.	N/A	Used PDP orange juice data as blended although not generally considered to be blended. Rationale: comparable residues in orange and orange juice. RDF #20
Tomato Juice	Point estimate using PDP tomato data incorporating $\frac{1}{2}$ LOD and 11% CT = 0.0031. Point estimate multiplied by processing factor.	11%	
Tomato Catsup	Point estimate using PDP tomato data incorporating $\frac{1}{2}$ LOD and 11% CT = 0.0031. Point estimate multiplied by processing factor.	11%	
Tomato Paste	Point estimate using PDP tomato data incorporating $\frac{1}{2}$ LOD and 11% CT = 0.0031. Point estimate multiplied by processing factor.	11%	
Tomato Puree	Point estimate using PDP tomato data incorporating $\frac{1}{2}$ LOD and 11% CT = 0.0031. Point estimate multiplied by processing factor.	11%	
Tomato, Whole	Composite PDP tomato data and incorporated 10% CT for unprocessed and 11% CT for processed tomatoes.	10%/11%	Low PDP residues (<0.1) detected in three years of PDP data. Total of 879 samples. RDF #12 and #31
Tomato, Dried	Composite PDP tomato data directly incorporating 10% CT and concentration factor.	10%	Low PDP residues (<0.1) detected in three years of PDP data. Total of 879 samples. RDF #31
Walnut Oil	Point estimate using mean FT X 30% CT = 0.029. Point estimate multiplied by processing factor. [Field trials used 2.0 lb ai/A, 3 applications, PHI of 21 days].	30%	
Walnuts	Point estimate using mean FT X 30% CT = 0.029. [Field trials used 2.0 lb ai/A, 3 applications, PHI of 21 days].	30%	
Watermelon Juice	No detectable residues found. $\frac{1}{2}$ LOD = 0.0015 used	N/A	Not detected in four years of FDA monitoring (1994-97). RDF #25
Watermelon	No detectable residue found. $\frac{1}{2}$ LOD used incorporating 2% CT.	2%	Not detected in four years of FDA monitoring (1994-97). RDF #25
Wintermelon	No detectable residue found. $\frac{1}{2}$ LOD used incorporating 2% CT.	2%	Not detected in four years of FDA monitoring (1994-97). RDF #25

¹ %CT = Percent Crop Treated; BEAD estimated percent crop treated used for all commodities except kumquats, crabapples and quinces which were registrant supplied percent crop treated .

² FT = Field Trial

³ PDP = Pesticide Data Program - This is a USDA pesticide residue monitoring program.

⁴ LOD = Level of Detection

⁵ When BEAD reports <0.5% crop treated (CT), 1% CT was used.

⁶ Used % crop treated for raspberry

⁷ 58% CT used for sweet cherries; 80% CT used for tart cherries.

⁸ RDF = Residue distribution File

Revised Monte Carlo Analysis

U.S. Environmental Protection Agency
 DEEM ACUTE analysis for AZINPHOS METHYL
 Residue file: \$sazmfin.R96
 Analysis Date: 05-12-1999/15:44:05 Residue file dated: 05-12-1999/14:11:32/8
 Acute Reference Dose (aRfD) = 0.003000 mg/kg body-wt/day
 NOEL (Acute) = 1.000000 mg/kg body-wt/day
 MC iterations = 1000 MC list in residue file MC seed = 10
 Run Comment: New BEAD %CT(March 1999) and using est. Maximum
 =====

Summary calculations:

	95th Percentile			99th Percentile			99.9th Percentile		
	Exposure	% aRfD	MOE	Exposure	% aRfD	MOE	Exposure	% aRfD	MOE
U.S. pop - all seasons:									
0.000179	5.98	5571	0.000500	16.65	2001	0.001781	59.37	561	
All infants (<1 year):									
0.000450	14.99	2223	0.000881	29.37	1134	0.003003	100.12	332	
Nursing infants (<1 year):									
0.000290	9.66	3451	0.001232	41.07	811	0.003632	121.07	275	
Non-nursing infants (<1 yr):									
0.000463	15.44	2158	0.000719	23.98	1389	0.002234	74.47	447	
Children (1-6 years):									
0.000415	13.84	2409	0.001046	34.86	956	0.003913	130.43	255	
Children (7-12 years):									
0.000261	8.70	3831	0.000724	24.13	1381	0.002704	90.12	369	

U.S. Environmental Protection Agency
DEEM Acute analysis for AZINPHOS METHYL
Residue file name: E:\MAX_NEW\\$sazmfin.R96
Analysis Date 05-12-1999 Residue file dated: 05-12-1999/14:11:32/8
Reference dose: aRfD = 0.003 mg/kg bw/day NOEL = 1 mg/kg bw/day
Comment: New BEAD %CT(March 1999) and using est. Maximum

Ver. 6.73

1989-92 data

Adjust. #2 NOT used

RDF indices and file names for Monte Carlo Analysis

1 lfdarasp.rdf
2 lfdalub.rdf
3 Grpehans.rdf
4 lfdastrw.rdf
5 Grfrhans.rdf
6 Lemohans.rdf
7 Citrhans.rdf
8 Ssapple.rdf
9 Pdpappjc.rdf
10 sspear.rdf
11 Peachans.rdf
12 TomaFres.rdf
13 Celehans.rdf
14 Brochans.rdf
15 Brushans.rdf
16 Cabboth.rdf
17 Caulhans.rdf
18 Dryonion.rdf
19 Gronion.rdf
20 Pdpoj.rdf
21 Sscrabap.rdf
22 Ornghans.rdf
23 Ssquinc.rdf
24 Grbn.rdf
25 melon.rdf
26 cucumb.rdf
27 Cantelop.rdf
28 Nectarin.rdf
29 Plumhans.rdf
30 potato.rdf
31 TomaProc.rdf
32 honeyde.rdf
33 Scherry.rdf
34 Tcherry.rdf

Food	Crop		RESIDUE	RDF	Adj. Factors	Code
Grp		Food Name	(ppm)	#	#1	#2
1	13A	Blackberries				
		11-Uncooked	0.730000	1	0.370	1.000
		13-Baked	0.730000	1	0.370	1.000
		14-Boiled	0.730000	1	0.370	1.000
		31-Canned: NFS	0.730000	1	0.140	1.000
		34-Canned: Boiled	0.730000	1	0.140	1.000
		41-Frozen: NFS	0.730000	1	0.310	1.000
2	13A	Boysenberries	0.730000	1	0.370	1.000
3	13A	Dewberries	0.730000	1	0.370	1.000
4	13A	Loganberries	0.730000	1	0.370	1.000
5	13A	Raspberries				
		11-Uncooked	0.730000	1	0.370	1.000
		13-Baked	0.730000	1	0.370	1.000
		14-Boiled	0.730000	1	0.370	1.000
		31-Canned: NFS	0.730000	1	0.140	1.000
		34-Canned: Boiled	0.730000	1	0.140	1.000
		41-Frozen: NFS	0.730000	1	0.140	1.000
7	13B	Blueberries				
		11-Uncooked	0.300000	2	0.370	1.000
		12-Cooked: NFS	0.300000	2	0.370	1.000
		13-Baked	0.300000	2	0.370	1.000
		14-Boiled	0.300000	2	0.370	1.000
		15-Fried	0.300000	2	0.370	1.000
		31-Canned: NFS	0.300000	2	0.140	1.000
		41-Frozen: NFS	0.300000	2	0.310	1.000
8	0	Cranberries				
		11-Uncooked	0.020000	0	0.370	1.000
		12-Cooked: NFS	0.020000	0	0.370	1.000
		13-Baked	0.020000	0	0.370	1.000
		18-Dried	0.020000	0	0.370	1.000
		31-Canned: NFS	0.020000	0	0.140	1.000
		42-Frozen: Cooked	0.020000	0	0.310	1.000
9	0	Cranberries-juice	0.020000	0	0.320	1.000
13	0	Grapes				
		11-Uncooked	7.200000	3	1.000	1.000
		12-Cooked: NFS	7.200000	3	1.000	1.000
		31-Canned: NFS	0.330000	3	0.380	1.000
		41-Frozen: NFS	0.330000	3	0.860	1.000
14	0	Grapes-raisins	0.330000	3	4.300	1.000
15	0	Grapes-juice	0.000300	0	1.200	1.000
17	0	Strawberries				
		11-Uncooked	1.300000	4	0.370	1.000
		12-Cooked: NFS	0.432000	4	0.370	1.000
		13-Baked	0.432000	4	0.370	1.000
		14-Boiled	0.432000	4	0.370	1.000
		31-Canned: NFS	0.432000	4	0.140	1.000
		34-Canned: Boiled	0.432000	4	0.140	1.000
		41-Frozen: NFS	0.432000	4	0.310	1.000
20	10	Citrus citron	0.013000	7	1.000	1.000
22	10	Grapefruit-peeled fruit	1.500000	5	1.000	1.000
23	10	Grapefruit-juice	0.010200	20	1.000	1.000
24	10	Kumquats	0.013000	7	1.000	1.000
26	10	Lemons-peeled fruit	1.500000	6	1.000	1.000
27	10	Lemons-peel	1.500000	6	1.000	1.000
28	10	Lemons-juice	0.179000	20	1.000	1.000
30	10	Limes-peeled fruit	1.500000	7	1.000	1.000
31	10	Limes-peel	1.500000	7	1.000	1.000
32	10	Limes-juice	0.179000	20	1.000	1.000
33	10	Oranges-juice-concentrate	0.013000	20	4.900	1.000
34	10	Oranges-peeled fruit	1.500000	22	1.000	1.000
35	10	Oranges-peel	1.500000	22	1.000	1.000
36	10	Oranges-juice				
		11-Uncooked	0.013000	20	1.000	1.000
		12-Cooked: NFS	0.013000	20	1.000	1.000
		31-Canned: NFS	0.013000	20	1.000	1.000
		41-Frozen: NFS	0.013000	20	1.000	1.000
37	10	Tangelos	1.500000	7	1.000	1.000
38	10	Tangerines	1.500000	7	1.000	1.000
39	10	Tangerines-juice	0.013000	20	1.000	1.000

40	14	Almonds	0.004000	0	1.000	1.000
44	14	Filberts (hazelnuts)	0.015600	0	1.000	1.000
47	14	Pecans	0.001200	0	1.000	1.000
48	14	Walnuts	0.029200	0	1.000	1.000
50	0	Pistachio nuts	0.001200	0	1.000	1.000
52	11	Apples				
		11-Uncooked	1.270000	8	1.000	1.000
		12-Cooked: NFS	1.270000	8	1.000	1.000
		13-Baked	1.270000	8	1.000	1.000
		14-Boiled	0.037000	0	0.360	1.000
		15-Fried	1.270000	8	1.000	1.000
		18-Dried	0.000000	0	1.000	1.000
		31-Canned: NFS	0.037000	0	0.360	1.000
		32-Canned: Cooked	0.037000	0	0.360	1.000
		33-Canned: Baked	0.037000	0	0.360	1.000
		34-Canned: Boiled	0.037000	0	0.360	1.000
		42-Frozen: Cooked	0.153000	8	0.360	1.000
53	11	Apples-dried	0.153000	8	5.840	1.000
54	11	Apples-juice/cider	0.010000	9	1.000	1.000
55	11	Crabapples	1.270000	21	1.000	1.000
56	11	Pears				
		11-Uncooked	1.270000	10	1.000	1.000
		12-Cooked: NFS	0.059000	0	1.000	1.000
		13-Baked	1.270000	10	1.000	1.000
		14-Boiled	0.059000	0	1.000	1.000
		31-Canned: NFS	0.059000	0	0.360	1.000
57	11	Pears-dried				
		13-Baked	0.150000	10	5.800	1.000
		14-Boiled	0.059000	10	5.800	1.000
		18-Dried	0.000000	0	1.000	1.000
58	11	Quinces	1.270000	23	1.000	1.000
61	12	Cherries				
		11-Uncooked	1.190000	33	0.370	1.000
		12-Cooked: NFS	1.640000	34	0.370	1.000
		13-Baked	1.640000	34	0.370	1.000
		14-Boiled	1.640000	34	0.370	1.000
		31-Canned: NFS	1.640000	34	0.037	1.000
		33-Canned: Baked	1.640000	34	0.037	1.000
		41-Frozen: NFS	1.640000	34	0.310	1.000
62	12	Cherries-dried	1.190000	33	2.160	1.000
63	12	Cherries-juice				
		13-Baked	0.050000	0	0.320	1.000
		14-Boiled	0.050000	0	0.320	1.000
		31-Canned: NFS	0.050000	0	0.120	1.000
		41-Frozen: NFS	0.050000	0	0.280	1.000
64	12	Nectarines	0.790000	28	1.000	1.000
65	12	Peaches				
		11-Uncooked	0.260000	11	1.000	1.000
		12-Cooked: NFS	0.260000	11	1.000	1.000
		13-Baked	0.260000	11	1.000	1.000
		14-Boiled	0.020000	0	0.360	1.000
		31-Canned: NFS	0.020000	0	0.360	1.000
		41-Frozen: NFS	0.190000	11	0.360	1.000
66	12	Peaches-dried	0.260000	11	7.000	1.000
67	12	Plums (damsons)				
		11-Uncooked	0.890000	29	1.000	1.000
		12-Cooked: NFS	0.890000	29	1.000	1.000
		31-Canned: NFS	0.020000	0	0.360	1.000
		42-Frozen: Cooked	0.020000	29	0.360	1.000
		51-Cured: NFS (smoked/p	0.020000	29	1.000	1.000
68	12	Plums-prunes (dried)	0.020000	29	5.000	1.000
69	12	Plums/prune-juice	0.010400	0	1.400	1.000
141	9A	Melons-cantaloupes-juice	0.001500	0	1.000	1.000
142	9A	Melons-cantaloupes-pulp	0.001500	27	1.000	1.000
143	9A	Casabas	0.001500	25	1.000	1.000
144	9A	Crenshaws	0.001500	25	0.031	1.000
145	9A	Melons-honeydew	0.001500	32	1.000	1.000
146	9A	Melons-persian	0.001500	25	1.000	1.000
147	9A	Watermelon	0.001500	25	1.000	1.000
148	9B	Cucumbers				
		11-Uncooked	0.001500	26	0.410	1.000
		34-Canned: Boiled	0.001500	26	0.004	1.000

	60-Canned: Cured	0.001500	26	0.004	1.000
159 8	Tomatoes-whole				
	11-Uncooked	1.530000	12	1.000	1.000
	12-Cooked: NFS	1.530000	12	1.000	1.000
	13-Baked	1.530000	12	1.000	1.000
	14-Boiled	1.530000	12	1.000	1.000
	15-Fried	1.530000	12	1.000	1.000
	31-Canned: NFS	0.041000	31	1.000	1.000
	32-Canned: Cooked	0.041000	31	1.000	1.000
	33-Canned: Baked	0.041000	31	1.000	1.000
	34-Canned: Boiled	0.041000	31	1.000	1.000
	42-Frozen: Cooked	0.041000	31	1.000	1.000
160 8	Tomatoes-juice				
	31-Canned: NFS	0.003100	0	0.004	1.000
	32-Canned: Cooked	0.003100	0	0.004	1.000
	34-Canned: Boiled	0.003100	0	0.004	1.000
	42-Frozen: Cooked	0.003100	0	0.316	1.000
161 8	Tomatoes-puree				
	12-Cooked: NFS	0.003100	0	0.020	1.000
	14-Boiled	0.003100	0	0.020	1.000
	31-Canned: NFS	0.003100	0	0.000	1.000
	32-Canned: Cooked	0.003100	0	0.000	1.000
	33-Canned: Baked	0.003100	0	0.000	1.000
	34-Canned: Boiled	0.003100	0	0.000	1.000
	42-Frozen: Cooked	0.003100	0	0.014	1.000
162 8	Tomatoes-paste				
	14-Boiled	0.003100	0	0.010	1.000
	31-Canned: NFS	0.003100	0	0.000	1.000
	32-Canned: Cooked	0.003100	0	0.000	1.000
	33-Canned: Baked	0.003100	0	0.000	1.000
	34-Canned: Boiled	0.003100	0	0.000	1.000
	42-Frozen: Cooked	0.003100	0	0.007	1.000
163 8	Tomatoes-catsup	0.003100	0	0.020	1.000
166 4B	Celery				
	11-Uncooked	0.900000	13	1.000	1.000
	12-Cooked: NFS	0.900000	13	1.000	1.000
	13-Baked	0.900000	13	1.000	1.000
	14-Boiled	0.900000	13	1.000	1.000
	15-Fried	0.900000	13	1.000	1.000
	31-Canned: NFS	0.518000	13	0.830	1.000
	32-Canned: Cooked	0.518000	13	0.830	1.000
	34-Canned: Boiled	0.518000	13	0.830	1.000
	42-Frozen: Cooked	0.518000	13	0.720	1.000
168 5A	Broccoli				
	11-Uncooked	0.940000	14	1.000	1.000
	12-Cooked: NFS	0.940000	14	1.000	1.000
	13-Baked	0.940000	14	1.000	1.000
	14-Boiled	0.940000	14	1.000	1.000
	15-Fried	0.940000	14	1.000	1.000
	32-Canned: Cooked	0.010000	14	0.830	1.000
	42-Frozen: Cooked	0.010000	14	0.720	1.000
	44-Frozen: Boiled	0.010000	14	0.720	1.000
169 5A	Brussels sprouts	0.750000	15	1.000	1.000
170 5A	Cabbage-green and red				
	11-Uncooked	0.300000	16	1.000	1.000
	12-Cooked: NFS	0.300000	16	1.000	1.000
	13-Baked	0.300000	16	1.000	1.000
	14-Boiled	0.300000	16	1.000	1.000
	15-Fried	0.300000	16	1.000	1.000
	31-Canned: NFS	0.010000	16	0.830	1.000
	32-Canned: Cooked	0.010000	16	0.830	1.000
	51-Cured: NFS (smoked/p	0.010000	16	1.000	1.000
171 5A	Cauliflower				
	11-Uncooked	0.940000	17	1.000	1.000
	12-Cooked: NFS	0.940000	17	1.000	1.000
	14-Boiled	0.940000	17	1.000	1.000
	15-Fried	0.940000	17	1.000	1.000
	42-Frozen: Cooked	0.010000	17	1.000	1.000
195 0	Grapes-leaves	7.200000	3	0.370	1.000
204 3	Leeks	0.550000	19	0.410	1.000
205 3	Onions-dry-bulb (cipollini)				
	11-Uncooked	0.050000	18	1.000	1.000

		12-Cooked: NFS	0.050000	18	1.000	1.000
		13-Baked	0.050000	18	1.000	1.000
		14-Boiled	0.050000	18	1.000	1.000
		15-Fried	0.050000	18	1.000	1.000
		31-Canned: NFS	0.013000	18	1.000	1.000
		32-Canned: Cooked	0.013000	18	1.000	1.000
		34-Canned: Boiled	0.013000	18	1.000	1.000
		42-Frozen: Cooked	0.013000	18	1.000	1.000
		43-Frozen: Baked	0.013000	18	1.000	1.000
		44-Frozen: Boiled	0.013000	18	1.000	1.000
		60-Canned: Cured	0.013000	18	1.000	1.000
206	3	Onions-dehydrated or dried	0.013000	18	9.000	1.000
207	1C	Potatoes/white-whole	0.011000	30	1.000	0.200
208	1C	Potatoes/white-unspecified	0.011000	30	1.000	0.200
209	1C	Potatoes/white-peeled	0.011000	30	1.000	0.200
210	1C	Potatoes/white-dry	0.001100	0	6.500	1.000
211	1C	Potatoes/white-peel only	0.011000	30	1.000	0.200
217	3	Shallots	0.050000	18	1.000	1.000
233	6B	Beans-succulent-lima				
		11-Uncooked	2.000000	24	1.000	1.000
		12-Cooked: NFS	2.000000	24	1.000	1.000
		14-Boiled	2.000000	24	1.000	1.000
		32-Canned: Cooked	2.000000	24	0.830	1.000
		42-Frozen: Cooked	2.000000	24	0.720	1.000
		44-Frozen: Boiled	2.000000	24	0.720	1.000
234	6A	Beans-succulent-green				
		11-Uncooked	2.000000	24	1.000	1.000
		12-Cooked: NFS	2.000000	24	1.000	1.000
		14-Boiled	2.000000	24	1.000	1.000
		31-Canned: NFS	2.000000	24	0.830	1.000
		32-Canned: Cooked	2.000000	24	0.830	1.000
		34-Canned: Boiled	2.000000	24	0.830	1.000
		42-Frozen: Cooked	2.000000	24	0.720	1.000
		44-Frozen: Boiled	2.000000	24	0.720	1.000
		51-Cured: NFS (smoked/p	2.000000	24	1.000	1.000
235	6A	Beans-succulent-other				
		34-Canned: Boiled	2.000000	24	0.830	1.000
236	6A	Beans-succulent-yellow/wax				
		14-Boiled	2.000000	24	1.000	1.000
		32-Canned: Cooked	2.000000	24	0.830	1.000
		42-Frozen: Cooked	2.000000	24	0.720	1.000
248	O	Alfalfa sprouts	0.020000	0	0.410	1.000
250	6B	Beans-succulent-broadbeans	2.000000	24	1.000	1.000
253	6	Beans-unspecified	2.000000	24	1.000	1.000
257	6	Beans-succulent-hyacinth	2.000000	24	1.000	1.000
262	3	Onions-green				
		11-Uncooked	0.550000	19	1.000	1.000
		12-Cooked: NFS	0.550000	19	1.000	1.000
		13-Baked	0.550000	19	1.000	1.000
		14-Boiled	0.550000	19	1.000	1.000
		15-Fried	0.550000	19	1.000	1.000
		31-Canned: NFS	0.011000	19	1.000	1.000
		32-Canned: Cooked	0.011000	19	1.000	1.000
290	O	Cottonseed-oil	0.500000	0	1.000	1.000
291	O	Cottonseed-meal	0.500000	0	1.000	1.000
377	11	Apples-juice-concentrate				
		12-Cooked: NFS	0.010000	9	3.000	1.000
		13-Baked	0.010000	9	3.000	1.000
		31-Canned: NFS	0.010000	9	3.000	1.000
		41-Frozen: NFS	0.010000	9	3.000	1.000
380	13A	Blackberries-juice	0.002000	0	0.320	1.000
383	5B	Cabbage-savoy	0.300000	16	1.000	1.000
384	4B	Celery juice	0.003000	0	1.000	1.000
389	O	Cranberries-juice-concentrate	0.020000	0	0.510	1.000
392	O	Grapes-juice-concentrate	0.000300	0	3.600	1.000
402	12	Peaches-juice	0.020000	0	0.810	1.000
404	11	Pears-juice	0.150000	9	1.000	1.000
416	O	Strawberries-juice	0.002500	0	0.320	1.000
420	10	Tangerines-juice-concentrate	0.012000	20	3.200	1.000
423	8	Tomatoes-dried	0.041000	12	7.450	1.000
431	14	Walnut oil	0.029200	0	1.000	1.000
436	9A	Watermelon-juice	0.001500	25	1.000	1.000

439	9B	Wintermelon	0.001500	25	1.000	1.000
441	10	Grapefruit-juice-concentrate	0.010000	20	3.000	1.000
442	10	Lemons-juice-concentrate	0.179000	20	2.000	1.000
443	10	Limes-juice-concentrate	0.179000	20	3.000	1.000
448	10	Grapefruit peel	1.500000	5	1.000	1.000
467	19B	Celery seed	0.003000	0	1.000	1.000

U.S. Environmental Protection Agency
DEEM Acute Critical Exposure Contribution Analysis (Ver
6.73)
CSFII 1989-92

Residue file = E:\MAX_NEW\Sazmfin.R96

Acute report = E:\MAX_NEW\Sazmfin5.AC4

Date and time of analysis: 05-12-1999 14:53:01

Critical exposure value = .0018

Minimum exposure contribution = 10

Max number of records = 100

Exposures divided by body weight

Subpopulations:

1 = U.S. pop - all seasons

2 = All infants (<1 year)

3 = Nursing infants (<1 year)

4 = Non-nursing infants (<1 yr)

5 = Children (1-6 years)

6 = Children (7-12 years)

Number of individual exposure records cannot exceed 100

CEC file terminated; analysis continues.

CEC's for subpopulation 1 U.S. pop - all seasons

Demographic data for each record:

rec	pid	day	sex	age	bw-kg	nf	tot expos
#	#	---	---	---	-----	-----	-----

Exposure contribution data by food consumed (nf lines):
rac ff amt(g) residue adj#1 contributn percnt

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1	1	1	F	5	15.00	1	0.002118
168	14	77.7	0.400000	1.00	0.002072	97.83	

Broccoli; Boiled

2	1	1	F	5	15.00	1	0.003483
65	12	58.8	0.877700	1.00	0.003441	98.78	

Peaches; Cooked: NFS

3	1	1	F	5	15.00	1	0.002177
168	14	77.7	0.400000	1.00	0.002072	95.18	

Broccoli; Boiled

4	1	1	F	5	15.00	1	0.002391
65	12	58.8	0.598870	1.00	0.002348	98.18	

Peaches; Cooked: NFS

5	1	1	F	5	15.00	1	0.002191
65	12	58.8	0.548220	1.00	0.002149	98.07	

Peaches; Cooked: NFS

6	1	1	F	5	15.00	1	0.001997
65	12	58.8	0.498590	1.00	0.001954	97.88	

Peaches; Cooked: NFS

7	1	1	F	5	15.00	1	0.002158
168	14	77.7	0.400000	1.00	0.002072	96.02	

Broccoli; Boiled

8	1	1	F	5	15.00	1	0.002020
65	12	58.8	0.503700	1.00	0.001975	97.73	

Peaches; Cooked: NFS

9	1	3	F	5	15.00	1	0.002447
168	14	91.4	0.400000	1.00	0.002437	99.59	

Broccoli; Boiled

10	2	1	M	40	72.73	2	0.001884
52	11	212.0	0.560000	1.00	0.001632	86.67	

Apples; Uncooked

61	13	103.8	0.400000	0.37	0.000211	11.21	
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Cherries; Baked

11	2	1	M	40	72.73	1	0.006393
66	18	8.3	7.600000	7.00	0.006071	94.97	

Peaches-dried; Dried

12	2	1	M	40	72.73	3	0.001860
52	11	212.0	0.190000	1.00	0.000554	29.77	

Apples; Uncooked

53	13	8.3	0.330000	5.84	0.000220	11.82	
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Apples-dried; Baked

66	18	8.3	1.246920	7.00	0.000996	53.55	
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Peaches-dried; Dried

13	2	2	M	40	72.73	1	0.002580
66	18	8.3	3.166710	7.00	0.002530	98.07	

Peaches-dried; Dried

14	3	1	M	8	26.36	1	0.002642
52	11	138.0	0.480000	1.00	0.002513	95.09	
Apples; Uncooked							
15	3	1	M	8	26.36	1	0.001814
52	11	138.0	0.330000	1.00	0.001727	95.23	
Apples; Uncooked							
16	3	1	M	8	26.36	1	0.001891
52	11	138.0	0.330000	1.00	0.001727	91.35	
Apples; Uncooked							
17	3	1	M	8	26.36	1	0.002825
52	11	138.0	0.520000	1.00	0.002722	96.36	
Apples; Uncooked							
18	3	1	M	8	26.36	1	0.002017
52	11	138.0	0.370000	1.00	0.001937	96.04	
Apples; Uncooked							
19	3	1	M	8	26.36	1	0.002609
52	11	138.0	0.480000	1.00	0.002513	96.30	
Apples; Uncooked							
20	3	1	M	8	26.36	1	0.002044
52	11	138.0	0.370000	1.00	0.001937	94.75	
Apples; Uncooked							
21	3	1	M	8	26.36	1	0.001809
52	11	138.0	0.330000	1.00	0.001727	95.50	
Apples; Uncooked							
22	3	1	M	8	26.36	1	0.001921
52	11	138.0	0.330000	1.00	0.001727	89.90	
Apples; Uncooked							
23	3	1	M	8	26.36	1	0.002670
52	11	138.0	0.480000	1.00	0.002513	94.09	
Apples; Uncooked							
24	3	1	M	8	26.36	1	0.002808
52	11	138.0	0.520000	1.00	0.002722	96.92	
Apples; Uncooked							
25	3	1	M	8	26.36	1	0.002868
52	11	138.0	0.520000	1.00	0.002722	94.92	
Apples; Uncooked							
26	3	1	M	8	26.36	1	0.003011
52	11	138.0	0.560000	1.00	0.002931	97.34	
Apples; Uncooked							
27	3	1	M	8	26.36	1	0.002806
52	11	138.0	0.520000	1.00	0.002722	97.02	
Apples; Uncooked							
28	3	1	M	8	26.36	1	0.002810
52	11	138.0	0.520000	1.00	0.002722	96.86	
Apples; Uncooked							
29	3	1	M	8	26.36	1	0.001890
52	11	138.0	0.330000	1.00	0.001727	91.39	
Apples; Uncooked							
30	3	1	M	8	26.36	1	0.001844
159	34	61.3	0.710000	1.00	0.001651	89.55	
Tomatoes-whole; Canned: Boiled							
31	3	1	M	8	26.36	1	0.002109
52	11	138.0	0.370000	1.00	0.001937	91.82	
Apples; Uncooked							
32	3	1	M	8	26.36	1	0.002811
52	11	138.0	0.520000	1.00	0.002722	96.81	
Apples; Uncooked							
33	3	1	M	8	26.36	1	0.002841
52	11	138.0	0.520000	1.00	0.002722	95.81	
Apples; Uncooked							
34	3	1	M	8	26.36	1	0.001860
52	11	138.0	0.330000	1.00	0.001727	92.88	
Apples; Uncooked							
35	3	1	M	8	26.36	1	0.002598
52	11	138.0	0.480000	1.00	0.002513	96.73	
Apples; Uncooked							
36	3	1	M	8	26.36	1	0.003022
52	11	138.0	0.560000	1.00	0.002931	96.99	

Apples; Uncooked

82	4	3	M	6	19.09	1	0.002044
52	11	138.0	0.260000	1.00	0.001879	91.94	

Apples; Uncooked

83	4	3	M	6	19.09	1	0.002076
52	11	138.0	0.270000	1.00	0.001952	94.01	

Apples; Uncooked

84	4	3	M	6	19.09	1	0.002104
52	11	138.0	0.260000	1.00	0.001879	89.33	

Apples; Uncooked

85	4	3	M	6	19.09	1	0.002578
52	11	138.0	0.330000	1.00	0.002385	92.53	

Apples; Uncooked

86	5	1	F	3	14.55	1	0.001925
52	11	138.0	0.190000	1.00	0.001803	93.64	

Apples; Uncooked

87	5	1	F	3	14.55	1	0.004699
52	11	138.0	0.480000	1.00	0.004554	96.92	

Apples; Uncooked

88	5	1	F	3	14.55	1	0.004680
52	11	138.0	0.480000	1.00	0.004554	97.31	

Apples; Uncooked

89	5	1	F	3	14.55	1	0.005449
52	11	138.0	0.560000	1.00	0.005313	97.50	

Apples; Uncooked

90	5	1	F	3	14.55	1	0.004786
52	11	138.0	0.480000	1.00	0.004554	95.14	

Apples; Uncooked

91	5	1	F	3	14.55	1	0.005082
52	11	138.0	0.520000	1.00	0.004933	97.07	

Apples; Uncooked

92	5	1	F	3	14.55	1	0.002688
52	11	138.0	0.270000	1.00	0.002562	95.29	

Apples; Uncooked

93	5	1	F	3	14.55	1	0.002610
52	11	138.0	0.260000	1.00	0.002467	94.50	

Apples; Uncooked

94	5	1	F	3	14.55	1	0.002689
52	11	138.0	0.270000	1.00	0.002562	95.27	

Apples; Uncooked

95	5	1	F	3	14.55	1	0.002606
52	11	138.0	0.260000	1.00	0.002467	94.67	

Apples; Uncooked

96	5	1	F	3	14.55	1	0.002208
159	34	40.9	0.710000	1.00	0.001996	90.40	

Tomatoes-whole; Canned: Boiled

97	5	1	F	3	14.55	1	0.001942
52	11	138.0	0.190000	1.00	0.001803	92.84	

Apples; Uncooked

98	5	1	F	3	14.55	1	0.003260
52	11	138.0	0.330000	1.00	0.003131	96.04	

Apples; Uncooked

99	5	1	F	3	14.55	1	0.003654
52	11	138.0	0.370000	1.00	0.003510	96.08	

Apples; Uncooked

100	5	1	F	3	14.55	1	0.004692
52	11	138.0	0.480000	1.00	0.004554	97.06	

Apples; Uncooked

CEC's for subpopulation 2 All infants (<1 year)

Demographic data for each record:

rec	pid	day	sex	age	bw-kg	nf	tot expos
#	#	---	---	---	---	---	-----

Exposure contribution data by food consumed (nf lines):
rac ff amt(g) residue adj#1 contributn percnt
--- -- ----- ----- ----- ----- ----- ----- -----

CEC's for subpopulation 3 Nursing infants (<1 year)

Demographic data for each record:

rec	pid	day	sex	age	bw-kg	nf	tot expos
#	#	---	---	---	---	---	-----

Exposure contribution data by food consumed (nf lines):
rac ff amt(g) residue adj#1 contributn percnt
--- -- ----- ----- ----- ----- ----- ----- -----

CEC's for subpopulation 4 Non-nursing infants (<1 yr)

Demographic data for each record:

rec	pid	day	sex	age	bw-kg	nf	tot expos
#	#	---	---	---	---	---	-----

Exposure contribution data by food consumed (nf lines):
rac ff amt(g) residue adj#1 contributn percnt
--- -- ----- ----- ----- ----- ----- ----- -----

CEC's for subpopulation 5 Children (1-6 years)

Demographic data for each record:

rec	pid	day	sex	age	bw-kg	nf	tot expos
#	#	---	---	---	---	---	-----

Exposure contribution data by food consumed (nf lines):
rac ff amt(g) residue adj#1 contributn percnt
--- -- ----- ----- ----- ----- ----- ----- -----

1	1	1	F	5	15.00	1	0.002118
168	14	77.7	0.400000	1.00	0.002072	97.83	

Broccoli; Boiled

2	1	1	F	5	15.00	1	0.003483
65	12	58.8	0.877700	1.00	0.003441	98.78	

Peaches; Cooked: NFS

3	1	1	F	5	15.00	1	0.002177
168	14	77.7	0.400000	1.00	0.002072	95.18	

Broccoli; Boiled

4	1	1	F	5	15.00	1	0.002391
65	12	58.8	0.598870	1.00	0.002348	98.18	

Peaches; Cooked: NFS

5	1	1	F	5	15.00	1	0.002191
65	12	58.8	0.548220	1.00	0.002149	98.07	

Peaches; Cooked: NFS

6	1	1	F	5	15.00	1	0.001997
65	12	58.8	0.498590	1.00	0.001954	97.88	

Peaches; Cooked: NFS

7	1	1	F	5	15.00	1	0.002158
168	14	77.7	0.400000	1.00	0.002072	96.02	

Broccoli; Boiled

8	1	1	F	5	15.00	1	0.002020
65	12	58.8	0.503700	1.00	0.001975	97.73	

Peaches; Cooked: NFS

9	1	3	F	5	15.00	1	0.002447
168	14	91.4	0.400000	1.00	0.002437	99.59	

Broccoli; Boiled

49	4	3	M	6	19.09	1	0.002867
52	11	138.0	0.370000	1.00	0.002675	93.28	

Apples; Uncooked

50	4	3	M	6	19.09	1	0.002032
52	11	138.0	0.250000	1.00	0.001807	88.95	

Apples; Uncooked

51	4	3	M	6	19.09	1	0.002013
52	11	138.0	0.260000	1.00	0.001879	93.37	

Apples; Uncooked

52	4	3	M	6	19.09	1	0.002808
52	11	138.0	0.370000	1.00	0.002675	95.24	

Apples; Uncooked

53	4	3	M	6	19.09	1	0.002909
52	11	138.0	0.370000	1.00	0.002675	91.96	

Apples; Uncooked

99 5 1 F 3 14.55 1 0.003654
 52 11 138.0 0.370000 1.00 0.003510 96.08
 Apples; Uncooked

100 5 1 F 3 14.55 1 0.004692
 52 11 138.0 0.480000 1.00 0.004554 97.06
 Apples; Uncooked

CEC's for subpopulation 6 Children (7-12 years)

Demographic data for each record:

rec	pid	day	sex	age	bw-kg	nf	tot expos
#	#	---	---	---	---	---	-----

Exposure contribution data by food consumed (nf lines):

rac	ff	amt(g)	residue	adj#1	contributn	percnt
---	---	-----	-----	-----	-----	-----
14	3 1	M	8 26.36	1	0.002642	
52	11	138.0	0.480000	1.00	0.002513	95.09
Apples; Uncooked						
15	3 1	M	8 26.36	1	0.001814	
52	11	138.0	0.330000	1.00	0.001727	95.23
Apples; Uncooked						
16	3 1	M	8 26.36	1	0.001891	
52	11	138.0	0.330000	1.00	0.001727	91.35
Apples; Uncooked						
17	3 1	M	8 26.36	1	0.002825	
52	11	138.0	0.520000	1.00	0.002722	96.36
Apples; Uncooked						
18	3 1	M	8 26.36	1	0.002017	
52	11	138.0	0.370000	1.00	0.001937	96.04
Apples; Uncooked						
19	3 1	M	8 26.36	1	0.002609	
52	11	138.0	0.480000	1.00	0.002513	96.30
Apples; Uncooked						
20	3 1	M	8 26.36	1	0.002044	
52	11	138.0	0.370000	1.00	0.001937	94.75
Apples; Uncooked						
21	3 1	M	8 26.36	1	0.001809	
52	11	138.0	0.330000	1.00	0.001727	95.50
Apples; Uncooked						
22	3 1	M	8 26.36	1	0.001921	
52	11	138.0	0.330000	1.00	0.001727	89.90
Apples; Uncooked						
23	3 1	M	8 26.36	1	0.002670	
52	11	138.0	0.480000	1.00	0.002513	94.09
Apples; Uncooked						
24	3 1	M	8 26.36	1	0.002808	
52	11	138.0	0.520000	1.00	0.002722	96.92
Apples; Uncooked						
25	3 1	M	8 26.36	1	0.002868	
52	11	138.0	0.520000	1.00	0.002722	94.92
Apples; Uncooked						
26	3 1	M	8 26.36	1	0.003011	
52	11	138.0	0.560000	1.00	0.002931	97.34
Apples; Uncooked						
27	3 1	M	8 26.36	1	0.002806	
52	11	138.0	0.520000	1.00	0.002722	97.02
Apples; Uncooked						
28	3 1	M	8 26.36	1	0.002810	
52	11	138.0	0.520000	1.00	0.002722	96.86
Apples; Uncooked						
29	3 1	M	8 26.36	1	0.001890	
52	11	138.0	0.330000	1.00	0.001727	91.39
Apples; Uncooked						
30	3 1	M	8 26.36	1	0.001844	
159	34	61.3	0.710000	1.00	0.001651	89.55
Tomatoes-whole; Canned: Boiled						
31	3 1	M	8 26.36	1	0.002109	
52	11	138.0	0.370000	1.00	0.001937	91.82